

## National Air Toxics Monitoring and Data Analysis Workshop

October 26-28, 2015

USEPA Headquarters, Research Triangle Park, NC

### October 26 – Monday 8:30 – 11:30 AM – Concurrent Training Sessions

1. **Laboratory Analysis Training at ERG facility (Max 30 people) 3 hrs**
  - a. VOCs analysis – Canister preconcentration, GC/MSD analysis
  - b. Metals analysis by ICP/MSD
  - c. Semi-Vol extraction and GC/MSD analysis
2. **Air Toxics Data Analysis training**
  - a. DART – Data assessment and Reporting Tool – STI, 1.5 hrs
  - b. Zero to “R” Shiny App Demonstration – Kali Frost, 1.5 hrs
    - i. What is “R”?
    - ii. Air Toxics demo using “R”
    - iii. Data manipulation with dplyr and tidyr
    - iv. Plotting with open air
    - v. Shiny app demo
3. **Aethalometer Training** – George Allen, 2 hrs
  - a. AE21/22 and AE33/TAPI-633
4. **NATA–National Air Toxics Assessment training** – For State, Locals & Tribes Only – 2 hrs

### October 26 – Monday 1:00 PM - Workshop Begins

#### Topic

#### Presenter

#### Plenary Begins

Opening Remarks – USEPA/OAR/AQAD  
National Air Toxics Trends Stations (NATTS) Overview  
NATTS QA Updates and Overview  
MDL – Method Update Rule vs Part 136  
NATTS Technical Assistance Document Updates

Chet Wayland  
David Shelow  
Greg Noah  
Doug Turner  
David Shelow, Doug Turner  
Greg Noah

### October 27 – Tuesday 8:00 AM – Air Toxics Data Analysis

#### Topic

#### Presenter

1. Monitoring in Minn.; Collection, Validation, Analysis, Communication
2. DART – Data Analysis and Reporting tool
3. Model to Monitor Comparison (NATA 2011 – NATTS)

Cassie McMahon  
Hillary Hafner  
Sharon Phillips

BREAK

- |   |                         |
|---|-------------------------|
| 4. NATTS Assessment and Data Archive                  | Regi Oommen             |
| 5. Sensitivity of Different Options for Data Analysis | Elizabeth Mannshardt    |
| 6. National Air Toxics Data Analysis                  | Madeleine Strum         |
| 7. Data Analysis Open Forum discussion                | M. Strum, E. Mannshardt |

**October 27 – Tuesday 1:00 PM, Community Scale Air Toxics Studies and Other Air Toxics Studies**

Topic	Presenter
1. Calibrating Concerns about PAHs in Urban Air Using Monitoring and Modeling	Kristie Ellickson
2. Reducing Exposure to Airborne Chemical Toxics (REACT)	Jim Holt
3. Assessment of the Effectiveness of New Mobile Source Air Toxics Regulations in Reducing Ambient Concentrations of Benzene and Other Air Toxics in Anchorage – Phase 2	Steve Morris
4. South Philadelphia Community Continuous Air Toxics Monitoring Project	Dennis Sosna
5. MATES IV, South Coast Air Quality Management Dist.	Jason Low, Andrea Polidori
6. Boston, MA Black Carbon Trends Analysis	George Allen

**October 28 – Wednesday 8:00 AM, Air Toxics Methods**

Topic	Presenter
1. Improving the analysis of Acrolein in Ambient Air	Don Whitaker
2. Method Optimization of TO-11A	Ian MacGregor
3. Sub-millimeter Wave Spectroscopy for Real Time Measurements of Carbonyls in Ambient Air	Chris Ball
4. Canister Cleaning Study	Julie Swift
BREAK	
5. Evaluation of VOC Sensors	Ron Williams
6. Alternative Test Methods Program for TO Methods	Lara Phelps

**October 28 – Wednesday PM, Plenary Open Forum Panel Discussion and Other EPA Groups**

Topic	Presenter
1. Open Forum Panel Discussion	
BREAK	
2. AQS Update for Air Toxics	Robert Coats, Nick Mangus
3. 2011 NATA Update	Ted Palma
4. PAMS Update	Kevin Cavender
BREAK	
5. Visible Communities Initiative	Holly Wilson
6. RTR Overview	Brian Shrager